

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ON APPEAL FROM THE EXAMINER TO THE BOARD
OF PATENT APPEALS AND INTERFERENCES**

In re Application of: Rikin S. Patel
Serial No.: 10/729,607
Filed: December 5, 2003
Group Art Unit: 2451
Examiner: Glenford J. Madamba
Confirmation No.: 2892
Title: SYSTEM AND METHOD FOR FAULT MANAGEMENT IN A
SERVICE-ORIENTED ARCHITECTURE

MAIL STOP APPEAL BRIEF - PATENTS
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

CORRECTED APPEAL BRIEF

Appellant has appealed to the Board of Patent Appeals and Interferences ("Board") from the Final Office Action dated May 16, 2008 ("Final Office Action"). Appellant filed a Notice of Appeal and Pre-Appeal Brief on August 12, 2008 with the statutory fee of \$510.00. Appellant filed an Appeal Brief on February 23, 2009 in response to Notice of Panel Decision from Pre-Appeal Brief Review dated October 23, 2008, finally rejecting Claims 2-12 and 15-45 pending in this application. Appellant submits this Corrected Appeal Brief in response to the Notification of Non-Compliant Appeal Brief dated March 23, 2009. As requested by the Examiner, only the amended sections of the Appeal Brief are submitted now.

Status of Claims

Claims 2-12 and 15-45 are pending and stand rejected pursuant to a Final Office Action dated May 16, 2008 (“*Final Office Action*”) and a Notice of Panel Decision from Pre-Appeal Brief Review dated October 23, 2008 (“*Panel Decision*”). Claims 1 and 13-14 were cancelled in a Response submitted pursuant to 37 C.F.R. § 1.111 on October 26, 2007.

In the *Final Office Action*, Claims 2-12 and 15-45 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 7,146,544 issued to Hsu et al. (“*Hsu*”) in view of U.S. Patent Application Publication No. 2005/0015472 issued to Catania et al. (“*Catania*”). For the reasons discussed below, Appellant respectfully submits that the rejections of Claims 2-12 and 15-45 are improper and should be reversed by the Board. Accordingly, Appellant presents Claims 2-1 and 15-45 for Appeal. All pending claims are shown in Appendix A, attached hereto.

REMARKS

Appellant has demonstrated that the present invention, as claimed, is clearly distinguishable over the prior art cited by the Examiner. Therefore, Appellant respectfully requests the Board to reverse the final rejections and instruct the Examiner to issue a Notice of Allowance with respect to all pending claims.

No fees are believed due; however, the Commissioner is authorized to charge any additional fees or credits to Deposit Account No. 05-0765 of Electronic Data Systems Corporation.

Respectfully submitted,

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APPENDIX A

Pending Claims

2. (Previously Presented) A method for managing faults in a web service architecture comprising:

receiving a service request in a web service language, wherein the service request comprises invoking a service over a network;

translating the service request into a non-web service language;

executing the service request;

encountering an exception during the execution, wherein the execution comprises a fault preventing the fulfillment of the service request;

persisting the fault; and

providing a fault response.

3. (Previously Presented) The method of Claim 2, wherein the service request is received from a service consumer, the service consumer coupled to the network.

4. (Original) The method of Claim 3, wherein the fault response is provided to a fault service consumer, and wherein the fault service consumer is coupled to the network.

5. (Original) The method of Claim 4, wherein the fault service consumer is the same as the service consumer.

6. (Previously Presented) The method of Claim 2, wherein persisting the fault comprises labeling the fault with a unique identifier.

7. (Original) The method of Claim 6, further comprising storing the fault in a database.

8. (Original) The method of Claim 7, further comprising storing multiple faults in the database, the storage comprising storing fault information.

9. (Original) The method of Claim 8, wherein providing a fault response comprises providing access to the database, the access operable to permit a user to track any fault stored in the database.

10. (Original) The method of Claim 8, wherein providing a fault response further comprises presenting the fault information in a console, the console operable to list the fault information stored in the database.

11. (Previously Presented) A system for managing faults in a service-oriented architecture comprising:

a service interface operable to:

receive a service request via a network, the service request received in a web service language; and

translate the service request into a non-web service language;

a service implementation coupled to the service interface, the service implementation operable to perform the service request and determine the source of any fault encountered in the performance;

a persistent store operable to persist any faults encountered in the performance; and

a fault service interface operable to transmit fault information.

12. (Original) The system of Claim 11, further comprising a fault service implementation coupled to the fault service interface, the fault service interface operable to retrieve the fault information from the persistent store.

15. (Original) The system of Claim 12, wherein the fault service interface is further operable to receive fault status requests in a web service language and translate the fault status request into a non-web service language.

16. (Original) The system of Claim 11, further comprising a service consumer, the service consumer coupled to the network and operable to transmit the service request to the service interface.

17. (Original) The system of Claim 11, further comprising a fault service consumer, the fault service consumer coupled to the network and operable to receive the fault information from the fault service interface.

18. (Original) The system of Claim 17, wherein the fault service consumer and the service consumer are the same consumer.

19. (Original) The system of Claim 12, further comprising a fault network coupled to the network, the fault network operable to couple the service interface, service implementation, persistent store, and fault service interface.

20. (Original) The system of Claim 11, wherein the persistent store is a database operable to store faults encountered during the performance.

21. (Original) The system of Claim 11, wherein the service implementation is further operable to attach a unique identifier to each fault.

22. (Original) The system of Claim 21, wherein the service implementation is further operable to direct the persistent store to store any faults according to the unique identifier.

23. (Original) The system of Claim 20, wherein the database is further operable to store the faults in a web service language.

24. (Original) The system of Claim 12, wherein the fault service implementation is further operable to translate the fault information into a web service language.

25. (Original) The system of Claim 12, further comprising a console, the console operable to display fault information retrieved by the fault service implementation.

26. (Previously Presented) A system for managing faults in a web service architecture comprising:

a web service module coupled to a network and operable to manage service requests in a web service language, the web service module operable to:

receive a service request via a network, the service request received in the web service language; and

translate the service request into a non-web service language;

a diagnostic module operable to fulfill the service request and identify faults associated with the service request; and

a fault persistence module operable to store the faults in a persistent store.

27. (Original) The system of Claim 26, wherein the web service language is any protocol registered in the Universal Description Discovery and Integration registry.

28. (Original) The system of Claim 26, wherein the web service language is a remote procedure call.

29. (Original) The system of Claim 26, wherein the web service language is a HyperText Transfer Protocol.

30. (Original) The system of Claim 26, wherein the web service language is an application service interface.

31. (Original) The system of Claim 30, wherein the application service interface is Java message service.

32. (Original) The system of Claim 26, wherein the web service language is a protocol approved as a web service description language approved by the World Wide Web Consortium.

33. (Original) The system of Claim 26, wherein the persistent store is a database dedicated to the fault persistence module.

34. (Original) The system of Claim 26, wherein the web service module is further operable to receive service requests.

35. (Original) The system of Claim 26, further comprising a sub-network coupled to the web services module.

36. (Original) The system of Claim 35, further comprising at least one internal system, the at least one internal system coupled to the sub-network and operable to provide information required by the service request.

37. (Original) The system of Claim 36, wherein the diagnostic module is further operable to identify any faults caused by the at least one internal system.

38. (Original) The system of Claim 37, wherein the diagnostic module is further operable to communicate any faults to the fault persistence module.

39. (Original) The system of Claim 38, wherein the fault persistence module is further operable to label each fault with a unique identifier.

40. (Original) The system of Claim 39, wherein the fault persistence module is further operable to direct the persistent store to organize each fault by a unique identifier.

41. (Original) The system of Claim 26, wherein the web service module is further operable to receive a fault status request.

42. (Original) The system of Claim 41, wherein the fault status request is sent by a fault service consumer.

43. (Original) The system of Claim 42, wherein the fault service consumer is coupled to the sub-network.

44. (Original) The system of Claim 42, wherein the fault service consumer and the service consumer are the same.

45. (Original) A system for managing faults in a web services architecture comprising:

a system interface operable to receive a service request in a web services format, the system interface further operable to translate the service request into a non-web service format;

a service implementation operable to fulfill the service request, generate a fault report, and persist the fault, the persistence comprising storing the fault report in a persistent store, wherein generating a fault report comprises detecting a fault during the fulfillment of the service request, and persisting the fault comprises attaching a unique identifier to the fault report;

a fault service implementation operable to retrieve the fault report from the persistent store and translate the fault report into a web service format; and

a fault service interface operable to receive fault service requests and transmit a fault service response.